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FINANCIAL AND ADMINISTRATIVE MATTERS: COMPUTERIZATION PROGRAMME

Electronic data-processing programme of UNIDO

Report by the Director-General

Summary

Provides, in compliance with General Conference decision GC.4/Dec.18, paragraph (h), an update on the implementation of the electronic data-processing programme.

The present document provides an update, as of 30 September 1995, to the information contained in documents PBC.11/4 and IDB.14/26 as presented in the following annexes.

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Annex I

STATUS OF ACTION TAKEN ON OUTSTANDING RECOMMENDATIONS OF TOUCHE ROSS MANAGEMENT CONSULTANTS[1] AND OF ANDERSEN CONSULTING[2]

OUTSTANDING RECOMMENDATIONS	CURRENT STATUS
1. There is a need for a systematic review of procedures within UNIDO. This review must come about from a management initiative and cannot be led by EDP. There is too much duplication of effort and too much reliance on paper-based methods. (8.1.2)	1. The Secretariat has continued its efforts to streamline procedures and will rely on the results of the ongoing UNIDO reform to eliminate duplication of effort and reduce paper flow.
2. The information technology steering group should identify and sanction any proposed changes to packages. (8.1.3)	2. No software packages were changed or new ones introduced in 1995. In 1996 a reduction in the number of mainframe software packages is envisaged. This is part of the UNIDO reform, as a measure of reducing the cost of the Facilities Management agreement with IAEA.
3. Extensive training of EDP will be required in the use of the new methods and tools. (8.1.3)	3. Additional MIS staff training is planned for the last quarter of 1995. In addition, in order to update existing staff skills in the application of new technologies, priority will be given, within available resources, to this type of training for MIS staff in the 1996-1997 biennium.
4. Further investment in current systems should be avoided. Maintenance of existing systems must be restricted to changes which are absolutely essential, even if this will undoubtedly lead to dissatisfaction in the user community. The commitment of management is vital to maintain the support and understanding of the user community during this difficult period. (8.1.3)	4. As reported in PBC.11/4, the 1995 work plan of MIS adheres to this recommendation of the external consultants, and has reduced the allocation of resources devoted to the maintenance of existing systems to the minimum required to keep such systems running. Future yearly work plans of MIS will continue to adhere to this recommendation.
5. Better communications with the field need to be put in place. In the long-term, if and when it can be cost-justified, computer-based communications can be considered. (8.1.1)	5. Communications with the field are now possible in many countries, as a result of the use of net and the electronic mail project for UNIDO Headquarters which has been finalized in mid-1995. For Africa, where commercial net providers are not available in several countries, efforts are actually under way to evaluate and recommend guidelines for a technically sound and cost-effective approach to ensure electronic mail connectivity over the net, giving initial priority to UCD offices.
6. The cabling programme should be resumed with the wiring of six floors in 1992-1993 and the remainder in 1994-1995. Priority should be given to those floors with greatest needs. (8.3.2)	6. The wiring of all UNIDO offices has been completed.

[1] References in the column "Primary recommendations" refer to sections of the final report of Touche Ross (GC.4/CRP.1).

[2] Strategic Automation Plan - Phase 2 Final Report, Vienna, 16 June 1992.

7. The acquisition of 90 PC's per biennium should go a long way towards satisfying UNIDO's needs. (8.3.2)	7. As reported in PBC.11/4, the number of PC's acquired in the 1994-1995 biennium is based on this recommendation. Since the costs of hardware continue to decrease, acquisition will be supplemented with internal components to upgrade obsolete equipment or additional sets to replace very old and malfunctioning workstations.

Annex II

STATUS OF ACTION TAKEN ON OUTSTANDING RECOMMENDATIONS OF THE EXTERNAL AUDITOR[3]

PRIMARY RECOMMENDATIONS	CURRENT STATUS
1. A major objective should be intensive training of the existing EDP staff in the use of modern data-processing techniques and tools, and of the end-users regarding the relevant applications and software packages. (IDB.10/4, para. 178)	1. Status reported under recommendation number 3, annex I.
2. Standards should be established and complied with, throughout the Organization as a whole, regarding the use of software packages (i.e. word processing, database products, spreadsheets) thus enabling the transfer of any document without conversion and/or duplication of efforts. (IDB.10/4, para. 179)	2. Status as reported in PBC.11/4.

[3] Those recommendations that have been fully implemented are not included.

Annex III

COST OF IMPLEMENTATION, 1 JANUARY 1994 - 30 SEPTEMBER 1995

(In US dollars at US$ 1 = AS 12.90)

	1994 Allotments	Disbursements 01/01/94-30/09/95	Obligations	Expenditure (2 + 3)	Balance (1 - 4)
	(1)	(2)	(3)	(4)	(5)
Staff costs	4,344,800	3,483,900	539	3,484,439	860,361
Income	(293,500)	(243,985)	-	(243,985)	(49,515)
Mainframe					
Hardware	2,385,400	2,368,435	14,316	2,382,751	2,649
Software	170,000	166,037	-	166,037	3,963
Operation and maintenance	2,928,600	2,325,407	603,177	2,928,584	16
Office automation					
Hardware	800,000	760,578	34,514	795,092	4,908
Software	157,000	79,475	30,117	109,592	47,408
Maintenance	282,600	234,668	42,861	277,529	5,071
Other					
Supplies and materials	326,300	253,990	56,025	310,015	16,285
Network	319,400	177,109	133,642	310,751	8,649
External computer costs	56,000	10,875	44,782	55,657	343
Training	267,900	183,443	66,587	250,030	17,870
Travel/meetings	6,300	3,810	-	3,810	2,490
Consultancy support	120,200	86,781	31,585	118,366	1,834
Miscellaneous costs	6,400	2,001	-	2,001	4,399
Income	(400,200)	(173,601)	-	(173,601)	(226,599)
TOTAL	11,477,200	9,718,923	1,058,145	10,777,068	700,132

Notes:

1. Allotments represent the 1994 and 1995 regular budget and operational budget appropriations, excluding reserves of $1,618,600.

2. Obligations include contractual commitments for 1994 and 1995.

Annex IV

CONTRACTUAL COMMITMENTS. 1 JANUARY 1994 - 30 SEPTEMBER 1995

(In US dollars at US$1 = AS 12.90)

Contract number	Supplier	Decription	Period	1994	1995	1996	1997	Total
94/267	Gammag	Maintenance of Wang VS system	01/01/94-31/03/94	15,504	-	-	-	15,504
94/268	Rank Xerox	EPIC & HFDL software maintenance	01/01/94-31/03/94	736	-	-	-	736
94/269 & 95/249	General Electric	Geisco Service	01/01/94-31/12/95	11,628	-	-	-	11,628
94/270 & 95/253	PTT	Rental line 2308197	01/01/94-31/12/95	194	213	-	-	407
94/271 & 95/256	PTT	Rental datex-P line	01/01/94-31/12/95	19,690	21,659	-	-	41,349
94/272 & 95/252	Radio Austria	Rental & usage - line 2329 11000607	01/01/94-31/12/95	2,326	2,558	-	-	4,884
94/273 & 95/250	Radio Austria	Rental of line 2329 11001734	01/01/94-31/12/95	1,163	1,279	-	-	2,442
94/274 & 95/251	Radio Austria	Rental of line 2329 11001850	01/01/94-31/12/95	155	171	-	-	326
94/275	PTT	Olivetti PCs Rental of line 238348	02/01/94-31/12/94	388	-	-	-	388
94/276 & 95/254	PTT	Rental of line 2307584	01/01/94-31/12/95	12,403	13,643	-	-	26,046
94/277 & 95/255	PTT	Telerate line 243680	01/01/94-31/12/95	1,163	1,279	-	-	2,442
94/278 & 95/259	Rank Xerox	Maintenance printer X4090	01/01/94-31/12/95	31,395	33,279	-	-	64,674
94/279 & 95/257	Rank Xerox	Maintenance printer X4050	01/01/94-31/12/95	19,792	20,979	-	-	40,771
94/280	IAEA	Maintenance of LTCs	01/01/94-31/03/94	1,938	-	-	-	1,938
Balance carried forward				118,475	95,060	-	-	213,535

Balance brought forward				118,475	95,060	-	-	213,535
94/281 & 95/264	University of Vienna	EARN participation	01/01/94-31/12/95	7,442	10,419	-	-	17,861
94/282, 95/260 & 95/261	Rank Xerox	Printing costs - printer X4090	01/01/94-31/12/95	33,371	33,371	-	-	66,742
94/283 & 95/262	Share Europe	Membership fee 1994	01/01/94-31/12/95	1,426	568	-	-	1,994
94/284	SAS	SAS Base system and utilities	01/01/94-30/04/94	15,992	-	-	-	15,992
94/285 & 95/248	ICC	Computer usage	01/01/94-31/12/95	25,000	25,000	-	-	50,000
94/286	IBM	Software maintenance for token ring	01/01/94-31/03/95	3,833	-	-	-	3,833
94/287 & 95/246	IAEA	Computer usage	01/01/94-31/12/95	4,651	16,279	-	-	20,930
94/288	EDV Software	ADABAS maintenance	01/01/94-31/03/94	15,683	-	-	-	15,683
94/289	Computer Associates	CA-1 copycat software maintenance	01/01/94-31/03/94	814	-	-	-	814
94/290	APT	OLIVER software maintenance	01/01/94-31/03/94	1,720	-	-	-	1,720
94/291	EVN	SECURITREE software maintenance	01/01/94-31/03/94	1,395	-	-	-	1,395
94/292	Computer Associates	CA-LIBRARIAN software maintenance	01/01/94-31/03/94	6,100	-	-	-	6,100
94/293	Candle	OMEGAMON software maintenance	01/01/94-31/03/94	4,942	-	-	-	4,942
94/294	Management Data Wang	Leasing PCs plus buyout	01/01/94-28/02/94	17,688	-	-	-	17,688
94/298 & 95/258	Rank Xerox	Printing costs - printer X4050	01/01/94-31/12/95	25,619	25,619	-	-	51,238
		Facilities management	01/01/94-31/03/94	312,682	-	-	-	312,682
94/299	IBM							31,008
94/300 & 95/244	Rank Xerox	Maintenance and repair of peripherals	01/01/94-31/12/95	15,504	15,504	-	-	20,151
94/301 & 95/263	Telerate	Financial market information	01/01/94-31/12/95	10,078	10,073	-	-	854,308
Balance carried forward				622,415	231,893	-	-	

Balance brought forward				622,415	231,893	-	-	854,308
94/302	IBM	Software licence	01/01/94-31/03/94	122,333	-	-	-	122,333
94/303	Gammag	Maintenance and repair of peripherals information	01/01/94-31/12/94	10,900	-	-	-	10,900
94/307	IBM	Mainframe lease	01/01/94-30/06/94	2,215,200	-	-	-	2,215,200
94/310	Compuware	ABEND-AID software maintenance	01/01/94-31/03/94	1,281	-	-	-	1,281
94/311	Polst	Cabling floor D-22	1994	45,363	-	-	-	45,363
94/313	Radio Austria	Dial-up position for Treasury	01/01/94-31/12/94	1,363	-	-	-	1,363
94/315	IAEA	Facilities management	01/04/94-31/12/97	1,025,293	1,597,922	1,524,455	1,609,824	5,757,494
94/320	IBM	Maintenance of mainframe	April 1994	19,101	-	-	-	19,101
94/329	Prager Consult	Computer-related training	1994 and 1995	119,000	119,000	-	-	238,000
94/339	IBM	Maintenance for token ring software	April 1994	1,278	-	-	-	1,278
94/340	IBM	Software licence	April 1994	40,778	-	-	-	40,778
94/307	IBM	Purchase of mainframe peripherals after end of lease period	June 1994	28,797	-	-	-	28,797
94/349	Data Transport Systems	Modification of UNIDO's PC-based budget system	01/09/94-30/09/94	5,500	-	-	-	5,500
94/356	I-Net Gmbh	Consultancy to set up SQL server	August 1994	8,000	-	-	-	8,000
94/359	Retailers Handels Gmbh	Maintenance and repair of bar code reader	1994	928	-	-	-	928
94/364	Gammag	Technician to re-install						
94/379	I-Net Gmbh	Extra for DOS in 600 PCs	September 1994	5,814	-	-	-	5,814
		Installation and setting up Sybase DBMs and Novell Netware software	December 1994	9,302	-	-	-	9,302
94/381	Institute for Computer & Information Engineering	Analysis of UNIDO's existing computerized systems	1995	-	17,000	-	-	17,000
Balance carried forward				4,282,646	1,965,815	1,524,455	1,609,824	9,382,740

Balance brought forward				4,282,646	1,965,815	1,524,455	1,609,824	9,382,740
94/383	Data Transport Systems	Modification of UNIDO's PC-based budget system	01/12/94-31/01/95	2,750	-	-	-	2,750
94/384	Procon Data	Development of PC-LAN based travel system	1995	-	19,000	-	-	19,000
95/311	Gammag	Installation of 150 PCs and 150 printers	1995	-	13,372	-	-	13,372
95/312	Procon Data	Development of software on the mainframe for data input for UNIDO's travel authorization system	1995	-	25,213	-	-	25,213
95/208	Sorbus	Maintenance and repair of peripherals	01/01/95-31/12/95	-	102,408	-	-	102,408
95/216	Compuserve	1995 subscription for computerized information service	1995	-	7,320	-	-	7,320
95/142	Martin Graeff	Installation and configuration of a Sunsparc 20 UNIX-based cc: mail/ Internet server	1995	-	10,000	-	-	10,000
95/307	Bacher Systems	Cost of servicing BINAS server	1994	-	1,083	-	-	1,083
95/313	Gammag	Installation of 200 Pathway Access and cc:mail Software for cc:mail/ Internet project	1995	-	7,752	-	-	7,752
95/339	Gammag	Costs to cover five days stand-by Wang support during PBC session	April 1995	-	1,163	-	-	1,163
95/340	S+S Electronic	Cover costs for repair of Olivetti PC M4-40	1995	-	134	-	-	134
95/341	Management Data	Costs to cover ad hoc repairs of two Wang machines	1995	-	1,065	-	-	1,065
Balance carried forward				4,285,396	2,154,325	1,524,455	1,609,824	9,574,000

Baiance brought forward				4,285,396	2,154,325	1,524,455	1,609,824	9,574,000
95/348	Kapsch AG	Installing cables in all Buildings Management offices and workshops, and UNIDO training rooms	1995	-	94,689	-	-	94,689
95/360	Ackerl + Geiger	Rental of overhead projector and LCD colour projection panel during PBC session	April 1995	-	959	-	-	959
95/368	Science Research Association	Leasing of SQL server Programme Series	1995 & 1996	-	4,167	4,168	-	8,335
95/369	Procon Data	Extension of contract 94/384 (TRICOS) to adjust the data-base structure as well as relevant internal programmes to accommodate new network requirements of UNIDO	1995	-	7,050	-	-	7,050
95/382	Procon Data	Cost of 30 hours for UNIDO TRICOS clients installation/ re-installation for MIS/CEUS		-	2,558	-	-	2,558
95/389	Procon Data	Development of the Travel Information and Coordination System (TRICOS) in order to create a dedicated facility to report to executive management	1995	9,130	9,130	-	-	9,130
				4,285,396	2,272,878	1,528,623	1,609,824	9,696,721

Abbreviations

CPU - Central processing unit
DBM - Data Base Manager
LAN - Local area network
LTC - Local terminal controller
PC - Personal computer
SQL - Standard Query Language